

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|---------|---|------------------------|------------------|---------|---------------------|
| S1 | 1 | ("20070183442").PN. | US- PGPUB; USPAT | OR | OFF | 2009/02/24 11:07 |
| S2 | 0 | ("control\$3same(sir or signal near2 interference near2 ratio)".PN. | US- PGPUB; USPAT | OR | OFF | 2009/02/24 12:49 |
| S3 | 4325 | control\$4 same (sir or signal near2 interference near2 ratio) | US- PGPUB; USPAT | ADJ | ON | 2009/02/24 12:50 |
| S4 | 5495 | pilot and channel near5 error | US- PGPUB; USPAT | ADJ | ON | 2009/02/24 12:51 |
| S5 | 2123627 | power | US- PGPUB; USPAT | ADJ | ON | 2009/02/24 12:52 |
| S6 | 433 | S3 and S4 | US- PGPUB; USPAT | ADJ | ON | 2009/02/24 12:52 |
| S7 | 420 | S6 and S5 | US- PGPUB; USPAT | ADJ | ON | 2009/02/24 12:53 |
| S8 | 13891 | receiver same notif\$7 | US- PGPUB; USPAT | ADJ | ON | 2009/02/24 12:53 |
| S9 | 6 | S7 and S8 | US- PGPUB; USPAT | ADJ | ON | 2009/02/24 12:53 |

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|-----|-------|---|------------------------|-----|----|---------------------|
| S10 | 54673 | control\$4 same (sir or signal near2 interference near2 ratio or transm\$6 near1 power) | US- PGPUB; USPAT | ADJ | ON | 2009/02/24 13:27 |
| S11 | 1155 | pilot same power near2 ratio | US- PGPUB; USPAT | ADJ | ON | 2009/02/24 13:28 |
| S12 | 18437 | receiv\$2 same (channel near10 error) | US- PGPUB; USPAT | ADJ | ON | 2009/02/24 13:28 |
| S13 | 668 | S10 and S11 | US- PGPUB; USPAT | ADJ | ON | 2009/02/24 13:28 |
| S14 | 165 | S12 and S13 | US- PGPUB; USPAT | ADJ | ON | 2009/02/24 13:29 |
| S15 | 491 | calculat\$3 near5 channel near2 error | US- PGPUB; USPAT | ADJ | ON | 2009/02/24 13:31 |
| S16 | 1 | S14 and S15 | US- PGPUB; USPAT | ADJ | ON | 2009/02/24 13:31 |
| S17 | 59491 | calculat\$3 near5 error | US- PGPUB; USPAT | ADJ | ON | 2009/02/24 13:31 |
| S18 | 52 | S14 and S17 | US- PGPUB; USPAT | ADJ | ON | 2009/02/24 13:32 |
| S19 | 75062 | (mcs or modulat\$3 near2 cod\$3 near2 scheme) | US- PGPUB; USPAT | ADJ | ON | 2009/02/24 14:00 |
| S20 | 4915 | control\$4 same (sir or signal near2 interference near2 ratio or transm\$6 near1 power near1 ratio) | US- PGPUB; USPAT | ADJ | ON | 2009/02/24 14:00 |

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|-----|-------|--|------------------------|-----|----|---------------------|
| S21 | 473 | S4 and S20 | US- PGPUB; USPAT | ADJ | ON | 2009/02/24 14:01 |
| S22 | 106 | S19 and S21 | US- PGPUB; USPAT | ADJ | ON | 2009/02/24 14:01 |
| S23 | 780 | S19 same pilot | US- PGPUB; USPAT | ADJ | ON | 2009/02/24 14:33 |
| S24 | 52521 | control\$4 same (transm\$6 near1 power) | US- PGPUB; USPAT | ADJ | ON | 2009/02/24 14:37 |
| S25 | 210 | S23 and S24 | US- PGPUB; USPAT | ADJ | ON | 2009/02/24 14:37 |
| S26 | 15436 | (sir or (signal near2 interference near2 ratio)) | US- PGPUB; USPAT | ADJ | ON | 2009/02/24 14:38 |
| S27 | 59 | S25 and S26 | US- PGPUB; USPAT | ADJ | ON | 2009/02/24 14:38 |
| S28 | 11 | notif\$7 and S27 | US- PGPUB; USPAT | ADJ | ON | 2009/02/24 14:39 |
| S29 | 75062 | (mcs or modulat\$3 near2 cod\$3 near2 scheme) | US- PGPUB; USPAT | ADJ | ON | 2009/02/24 14:43 |
| S30 | 780 | S29 same pilot | US- PGPUB; USPAT | ADJ | ON | 2009/02/24 14:43 |
| S31 | 52521 | control\$4 same (transm\$6 near1 power) | US- PGPUB; USPAT | ADJ | ON | 2009/02/24 14:43 |

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| S32 | 210 | S30 and S31 | US- PGPUB; USPAT | ADJ | ON | 2009/02/24 14:43 |
| S33 | 15436 | (sir or (signal near2 interference near2 ratio)) | US- PGPUB; USPAT | ADJ | ON | 2009/02/24 14:43 |
| S34 | 59 | S32 and S33 | US- PGPUB; USPAT | ADJ | ON | 2009/02/24 14:43 |
| S35 | 59 | S34 | US- PGPUB; USPAT | ADJ | ON | 2009/02/24 14:43 |
| S36 | 11 | notif\$7 and S34 | US- PGPUB; USPAT | ADJ | ON | 2009/02/24 14:44 |
| S37 | 11 | S36 | US- PGPUB; USPAT | ADJ | ON | 2009/02/24 14:44 |
| S38 | 16172 | control\$4 near2 (transm\$6 near1 power) | US- PGPUB; USPAT | ADJ | ON | 2009/02/24 14:48 |
| S39 | 144 | S30 and S38 | US- PGPUB; USPAT | ADJ | ON | 2009/02/24 14:49 |
| S40 | 37 | S39 and S33 | US- PGPUB; USPAT | ADJ | ON | 2009/02/24 14:50 |
| S41 | 2863 | channel near1 (quality or error) same receiver | US- PGPUB; USPAT | ADJ | ON | 2009/02/24 14:55 |
| S42 | 27 | S39 and S41 | US- PGPUB; USPAT | ADJ | ON | 2009/02/24 14:55 |

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| S43 | 75175 | (mcs or modulat\$3 near2 cod\$3 near2 scheme) | US- PGPUB; USPAT | ADJ | ON | 2009/02/26 16:34 |
| S44 | 75175 | S43 | US- PGPUB; USPAT | ADJ | ON | 2009/02/26 16:34 |
| S45 | 50654 | control\$3 same transm\$6 near1 power | US- PGPUB; USPAT | ADJ | ON | 2009/02/26 16:52 |
| S46 | 1387 | calculat\$3 near2 (error or quality) near20 channel | US- PGPUB; USPAT | ADJ | ON | 2009/02/26 16:54 |
| S47 | 169 | S45 and S46 | US- PGPUB; USPAT | ADJ | ON | 2009/02/26 16:54 |
| S48 | 32 | S47 and S44 | US- PGPUB; USPAT | ADJ | ON | 2009/02/26 16:54 |
| S49 | 93 | S47 and pilot | US- PGPUB; USPAT | ADJ | ON | 2009/02/26 16:55 |
| S50 | 26 | S49 and S44 | US- PGPUB; USPAT | ADJ | ON | 2009/02/26 16:56 |
| S51 | 47 | control\$4 near2 S44 same transm\$5 power | US- PGPUB; USPAT | ADJ | ON | 2009/02/26 17:27 |
| S52 | 24 | pilot and S51 | US- PGPUB; USPAT | ADJ | ON | 2009/02/26 17:28 |
| S53 | 723 | control\$4 near2 S44 same power | US- PGPUB; USPAT | ADJ | ON | 2009/02/26 17:32 |

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| S54 | 61 | \$53 and pilot | US- PGPUB; USPAT | ADJ | ON | 2009/02/26 17:32 |
| S55 | 77 | calculat\$3 near2 channel near1 error | US- PGPUB; USPAT | ADJ | ON | 2009/02/26 17:36 |
| S56 | 0 | transmi\$5 power control\$4 | US- PGPUB; USPAT | ADJ | ON | 2009/02/26 17:37 |
| S57 | 0 | transmi\$5 power control | US- PGPUB; USPAT | ADJ | ON | 2009/02/26 17:38 |
| S58 | 11 | power near2 control | US- PGPUB; USPAT | ADJ | ON | 2009/02/26 17:38 |
| S59 | 10015 | transmi\$5 near1 power near1 control | US- PGPUB; USPAT | ADJ | ON | 2009/02/26 17:39 |
| S60 | 5 | calculat\$3 channel error | US- PGPUB; USPAT | ADJ | ON | 2009/02/26 17:39 |
| S61 | 13 | \$55 and pilot | US- PGPUB; USPAT | ADJ | ON | 2009/02/26 17:40 |
| S62 | 1 | \$59 and \$61 | US- PGPUB; USPAT | ADJ | ON | 2009/02/26 17:40 |
| S63 | 3764 | \$59 and pilot | US- PGPUB; USPAT | ADJ | ON | 2009/02/26 17:40 |
| S64 | 15460 | (sir or (signal near2 interference near2 ratio)) | US- PGPUB; USPAT | ADJ | ON | 2009/02/26 17:40 |

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| S65 | 15460 | S64 | US- PGPUB; USPAT | ADJ | ON | 2009/02/26 17:40 |
| S66 | 1250 | S63 and S65 | US- PGPUB; USPAT | ADJ | ON | 2009/02/26 17:41 |
| S67 | 218 | S66 and S44 | US- PGPUB; USPAT | ADJ | ON | 2009/02/26 17:41 |
| S68 | 359357 | control near5 information | US- PGPUB; USPAT | ADJ | ON | 2009/02/26 17:42 |
| S69 | 171 | S68 and S67 | US- PGPUB; USPAT | ADJ | ON | 2009/02/26 17:42 |
| S70 | 20060 | (notif\$7 or inform) same receiver | US- PGPUB; USPAT | ADJ | ON | 2009/02/26 17:44 |
| S71 | 26 | S69 and S70 | US- PGPUB; USPAT | ADJ | ON | 2009/02/26 17:44 |
| S72 | 743 | (mcs or modulat\$3 near2 cod\$3 near2 scheme) same transmi\$5 near1 power | US- PGPUB; USPAT | ADJ | ON | 2009/02/26 18:01 |
| S73 | 390 | pilot and S72 | US- PGPUB; USPAT | ADJ | ON | 2009/02/26 18:01 |
| S74 | 65 | calculat\$r near3 error near20 receiver | US- PGPUB; USPAT | ADJ | ON | 2009/02/26 18:02 |
| S75 | 0 | S73 and S74 | US- PGPUB; USPAT | ADJ | ON | 2009/02/26 18:05 |

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| S76 | 141 | calculat\$ for near3 error same receiver | US- PGPUB; USPAT | ADJ | ON | 2009/02/26 18:05 |
| S77 | 1 | S73 and S76 | US- PGPUB; USPAT | ADJ | ON | 2009/02/26 18:05 |
| S78 | 12767 | calculat\$3 error | US- PGPUB; USPAT | ADJ | ON | 2009/02/26 18:06 |
| S79 | 1 | S78 and S73 | US- PGPUB; USPAT | ADJ | ON | 2009/02/26 18:06 |
| S80 | 3102 | (mcs or modulat\$3 near2 cod\$3 near2 scheme) and power control\$4 | US- PGPUB; USPAT | ADJ | ON | 2009/02/26 18:07 |
| S81 | 1241 | S80 and pilot | US- PGPUB; USPAT | ADJ | ON | 2009/02/26 18:07 |
| S82 | 8 | S81 and S78 | US- PGPUB; USPAT | ADJ | ON | 2009/02/26 18:07 |
| S83 | 11571 | power ratio | US- PGPUB; USPAT | ADJ | ON | 2009/02/26 18:21 |
| S84 | 0 | control\$4 near10 (moudulat\$3 and encod\$3) | US- PGPUB; USPAT | ADJ | ON | 2009/02/26 18:23 |
| S85 | 0 | control\$4 near10 (moudulat\$3 near10 encod\$3) | US- PGPUB; USPAT | ADJ | ON | 2009/02/26 18:23 |
| S86 | 17649 | control\$4 near10 (modulat\$3 and encod\$3) | US- PGPUB; USPAT | ADJ | ON | 2009/02/26 18:23 |

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| S87 | 209 | S83 and S86 and pilot | US- PGPUB; USPAT | ADJ | ON | 2009/02/26 18:24 |
| S88 | 15036 | channel near2 error | US- PGPUB; USPAT | ADJ | ON | 2009/02/26 18:26 |
| S89 | 61 | S87 and S88 | US- PGPUB; USPAT | ADJ | ON | 2009/02/26 18:26 |
| S90 | 2241 | adaptive modulat\$3 and coding | US- PGPUB; USPAT | ADJ | ON | 2009/03/02 13:20 |
| S91 | 1473 | adaptive near1 modulat\$3 near1 coding | US- PGPUB; USPAT | ADJ | ON | 2009/03/02 13:21 |
| S92 | 8710 | amc or S90 | US- PGPUB; USPAT | ADJ | ON | 2009/03/02 13:21 |
| S93 | 212972 | power near2 control | US- PGPUB; USPAT | ADJ | ON | 2009/03/02 13:27 |
| S94 | 241 | channel error near15 receiver | US- PGPUB; USPAT | ADJ | ON | 2009/03/02 13:33 |
| S95 | 663 | channel error same receiver | US- PGPUB; USPAT | ADJ | ON | 2009/03/02 13:33 |
| S96 | 922 | S92 and S93 | US- PGPUB; USPAT | ADJ | ON | 2009/03/02 13:33 |
| S97 | 4 | S95 and S96 | US- PGPUB; USPAT | ADJ | ON | 2009/03/02 13:33 |

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| S98 | 22263 | channel near3 error | US- PGPUB; USPAT | ADJ | ON | 2009/03/02 13:36 |
| S99 | 169 | \$96 and S98 | US- PGPUB; USPAT | ADJ | ON | 2009/03/02 13:36 |
| S100 | 132 | ratio and S99 | US- PGPUB; USPAT | ADJ | ON | 2009/03/02 13:36 |
| S101 | 30 | notif\$7 and S100 | US- PGPUB; USPAT | ADJ | ON | 2009/03/02 13:37 |
| S102 | 112 | S99 and pilot | US- PGPUB; USPAT | ADJ | ON | 2009/03/02 13:57 |
| S103 | 59 | encod\$3 and S102 | US- PGPUB; USPAT | ADJ | ON | 2009/03/02 13:57 |
| S104 | 73 | calculat\$3 and S102 | US- PGPUB; USPAT | ADJ | ON | 2009/03/02 13:59 |
| S105 | 101088 | control informat\$3 | US- PGPUB; USPAT | ADJ | ON | 2009/03/02 13:59 |
| S106 | 38 | S104 and S105 | US- PGPUB; USPAT | ADJ | ON | 2009/03/02 13:59 |
| S107 | 2241 | adaptive modulat\$3 and coding | US- PGPUB; USPAT | ADJ | ON | 2009/03/02 17:41 |
| S108 | 8710 | amc or S107 | US- PGPUB; USPAT | ADJ | ON | 2009/03/02 17:41 |

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| S109 | 212972 | power near2 control | US- PGPUB; USPAT | ADJ | ON | 2009/03/02 17:41 |
| S110 | 922 | S108 and S109 | US- PGPUB; USPAT | ADJ | ON | 2009/03/02 17:41 |
| S111 | 22263 | channel near3 error | US- PGPUB; USPAT | ADJ | ON | 2009/03/02 17:41 |
| S112 | 169 | S110 and S111 | US- PGPUB; USPAT | ADJ | ON | 2009/03/02 17:41 |
| S113 | 2247 | adaptive modulat\$3 and coding | US- PGPUB; USPAT | ADJ | ON | 2009/03/03 10:27 |
| S114 | 8723 | amc or S13 | US- PGPUB; USPAT | ADJ | ON | 2009/03/03 10:27 |
| S115 | 213155 | power near2 control | US- PGPUB; USPAT | ADJ | ON | 2009/03/03 10:27 |
| S116 | 924 | S114 and S115 | US- PGPUB; USPAT | ADJ | ON | 2009/03/03 10:27 |
| S117 | 22289 | channel near3 error | US- PGPUB; USPAT | ADJ | ON | 2009/03/03 10:27 |
| S118 | 169 | S116 and S117 | US- PGPUB; USPAT | ADJ | ON | 2009/03/03 10:27 |
| S119 | 169 | S118 | US- PGPUB; USPAT | ADJ | ON | 2009/03/03 10:27 |

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| S120 | 112 | S118 and pilot | US- PGPUB; USPAT | ADJ | ON | 2009/03/03 10:27 |
| S121 | 888 | pilot same control channel same data channel | US- PGPUB; USPAT | ADJ | ON | 2009/03/03 10:36 |
| S122 | 82 | S121 and S114 | US- PGPUB; USPAT | ADJ | ON | 2009/03/03 10:37 |
| S123 | 80 | S122 and power | US- PGPUB; USPAT | ADJ | ON | 2009/03/03 10:37 |
| S124 | 8143 | power same control channel | US- PGPUB; USPAT | ADJ | ON | 2009/03/03 11:25 |
| S125 | 45246 | data channel | US- PGPUB; USPAT | ADJ | ON | 2009/03/03 11:26 |
| S126 | 1816 | pilot and S124 and S125 | US- PGPUB; USPAT | ADJ | ON | 2009/03/03 11:26 |
| S127 | 187 | S126 and S114 | US- PGPUB; USPAT | ADJ | ON | 2009/03/03 11:26 |
| S128 | 2999 | power control same control channel | US- PGPUB; USPAT | ADJ | ON | 2009/03/03 11:27 |
| S129 | 4095 | power near3 control\$3 same control channel | US- PGPUB; USPAT | ADJ | ON | 2009/03/03 11:28 |
| S130 | 1271 | S129 and pilot and S125 | US- PGPUB; USPAT | ADJ | ON | 2009/03/03 11:28 |

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| S131 | 129 | S114 and S130 | US- PGPUB; USPAT | ADJ | ON | 2009/03/03 11:28 |
| S132 | 10353 | transmi\$5 power control or tpc) | US- PGPUB; USPAT | ADJ | ON | 2009/03/03 13:24 |
| S133 | 2247 | adaptive modulat\$3 and coding | US- PGPUB; USPAT | ADJ | ON | 2009/03/03 13:24 |
| S134 | 8723 | amc or S133 | US- PGPUB; USPAT | ADJ | ON | 2009/03/03 13:24 |
| S135 | 45246 | data channel | US- PGPUB; USPAT | ADJ | ON | 2009/03/03 13:24 |
| S136 | 4095 | power near3 control\$3 same control channel | US- PGPUB; USPAT | ADJ | ON | 2009/03/03 13:24 |
| S137 | 1271 | S136 and pilot and S135 | US- PGPUB; USPAT | ADJ | ON | 2009/03/03 13:24 |
| S138 | 129 | S134 and S137 | US- PGPUB; USPAT | ADJ | ON | 2009/03/03 13:24 |
| S139 | 129 | S138 | US- PGPUB; USPAT | ADJ | ON | 2009/03/03 13:24 |
| S140 | 358 | S134 and S132 | US- PGPUB; USPAT | ADJ | ON | 2009/03/03 13:25 |
| S141 | 1548 | control channel same pilot same (traffic or data) channel | US- PGPUB; USPAT | ADJ | ON | 2009/03/03 13:26 |

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| S142 | 80652 | error detect\$3 | US- PGPUB; USPAT | ADJ | ON | 2009/03/03 13:26 |
| S143 | 220 | S141 and S142 | US- PGPUB; USPAT | ADJ | ON | 2009/03/03 13:27 |
| S144 | 18 | S140 and S143 | US- PGPUB; USPAT | ADJ | ON | 2009/03/03 13:27 |
| S145 | 1 | ("7486634").PN. | US- PGPUB; USPAT | OR | OFF | 2009/03/03 13:42 |
| S146 | 84293 | transmi\$5 power control or tpc or power control) | US- PGPUB; USPAT | ADJ | ON | 2009/03/03 14:43 |
| S147 | 845 | S146 and S134 | US- PGPUB; USPAT | ADJ | ON | 2009/03/03 14:44 |
| S148 | 1536 | pilot channel same control channel | US- PGPUB; USPAT | ADJ | ON | 2009/03/03 14:44 |
| S149 | 66 | S147 and S148 | US- PGPUB; USPAT | ADJ | ON | 2009/03/03 14:44 |
| S150 | 62 | error and S149 | US- PGPUB; USPAT | ADJ | ON | 2009/03/03 14:44 |
| S151 | 203 | power control same (amc or (adaptive modulat\$3 control)) | US- PGPUB; USPAT | ADJ | ON | 2009/03/03 14:57 |
| S152 | 104 | pilot and S151 | US- PGPUB; USPAT | ADJ | ON | 2009/03/03 14:58 |

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| S153 | 69 | calculat\$3 and S152 | US- PGPUB; USPAT | ADJ | ON | 2009/03/03 14:58 |
| S154 | 5082 | receiver same measur\$3 near10 channel | US- PGPUB; USPAT | ADJ | ON | 2009/03/03 15:37 |
| S155 | 8985 | (amc or (adaptive modulat\$3 and cod\$3)) | US- PGPUB; USPAT | ADJ | ON | 2009/03/03 15:38 |
| S156 | 1759 | pilot same control informat\$3 | US- PGPUB; USPAT | ADJ | ON | 2009/03/03 15:39 |
| S157 | 19 | S154 and S155 and S156 | US- PGPUB; USPAT | ADJ | ON | 2009/03/03 15:39 |
| S158 | 4757 | receiver near10 measur\$3 same channel | US- PGPUB; USPAT | ADJ | ON | 2009/03/03 15:42 |
| S159 | 1150 | S158 and pilot | US- PGPUB; USPAT | ADJ | ON | 2009/03/03 15:42 |
| S160 | 111 | S155 and S159 | US- PGPUB; USPAT | ADJ | ON | 2009/03/03 15:42 |
| S161 | 30 | control informat\$3 and S160 | US- PGPUB; USPAT | ADJ | ON | 2009/03/03 15:43 |
| S162 | 13 | S157 and power near2 control | US- PGPUB; USPAT | ADJ | ON | 2009/03/03 15:54 |
| S163 | 127 | receive near15 measur\$3 channel | US- PGPUB; USPAT | ADJ | ON | 2009/03/03 15:55 |

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| S164 | 326 | receiver near15 measur\$3 channel | US- PGPUB; USPAT | ADJ | ON | 2009/03/03 15:55 |
| S165 | 29 | S164 and S155 | US- PGPUB; USPAT | ADJ | ON | 2009/03/03 15:56 |
| S166 | 20 | pilot and power and S165 | US- PGPUB; USPAT | ADJ | ON | 2009/03/03 15:56 |
| S167 | 213155 | power near2 control | US- PGPUB; USPAT | ADJ | ON | 2009/03/03 15:58 |
| S168 | 536 | S167 and S155 and pilot | US- PGPUB; USPAT | ADJ | ON | 2009/03/03 15:58 |
| S169 | 1053 | receiver near2 measur\$3 near20 channel | US- PGPUB; USPAT | ADJ | ON | 2009/03/03 15:58 |
| S170 | 21 | S168 and S169 | US- PGPUB; USPAT | ADJ | ON | 2009/03/03 15:59 |

3/4/2009 7:24:02 PM

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